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APPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/622,915	0	7/18/2003	Yong-Chul Oh	5649-1142	2749	
20792	7590	10/06/2004		EXAMINER		
MYERS E	SIGEL SIB	LEY & SAJOVE	CRANE,	CRANE, SARA W		
PO BOX 3		-		ART UNIT	PAPER NUMBER	
RALEIGH,	, NC 2762	1	•	2811		
				DATE MAILED: 10/06/200	DATE MAILED: 10/06/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/622,915	OH ET AL.	
Office Action Summary	Examiner	Art Unit	2)
	Sara W. Crane	2811	II.
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	Idress
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timel the mailing date of this c O (35 U.S.C. § 133).	
Status			•
1) Responsive to communication(s) filed on	_•		
2a) ☐ This action is FINAL . 2b) ☐ This	action is non-final.		
3) Since this application is in condition for allowar	ice except for formal matters, pro	secution as to the	e merits is
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.	
Disposition of Claims			
4) Claim(s) <u>1-31</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw	un from consideration		
5) Claim(s) is/are allowed.	VII IIOIII COIISIGCI ation.		
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-31</u> are subject to restriction and/or e	election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examine	r.		
10)☐ The drawing(s) filed on is/are: a)☐ acce	•		
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correcti			
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	10-152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	o-(d) or (f).	
 Certified copies of the priority documents 	s have been received.		
2. Certified copies of the priority documents	s have been received in Applicati	on No	
3. Copies of the certified copies of the prior		ed in this National	Stage
application from the International Bureau			
* See the attached detailed Office action for a list	or the centried copies not receive	ea.	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview Summary		
2)	Paper No(s)/Mail Da 5) ☐ Notice of Informal P		O-152) [´]
Paper No(s)/Mail Date	6) Other:	•	

Application/Control Number: 10/622,915

Art Unit: 2811

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 13-26, drawn to a semiconductor device, classified in class 257, subclass 382.
- II. Claims 1-12 and 27-31, drawn to a method of making a semiconductor device, classified in class 438, subclass 584.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the ion region could be formed by diffusion instead of by ion implant.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Crane, whose telephone number is (571) 272-1652.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (571) 272-1562.

Sara W. Crane Primary Examiner Art Unit 2811